ELSEVIER

Performance Evaluation 36–37 (1999) 519–520

PERFORMANCE EVALUATION
An International Journal

www.elsevier.com/locate/peva

Author Index

Ait-Hellal, O., E. Altman, A. Jean-Marie, and **I.A. Kurkova,** On loss probabilities in presence of redundant packets and several traffic sources 485
Altman, E., *see* **Ait-Hellal, O.** 485

Blondia, C., *see* **Vázquez-Cortizo, D.** 401
Bonald, T., Comparison of TCP Reno and TCP Vegas: efficiency and fairness 307

Çağlayan, M.U., *see* **Levi, A.** 213
Chiussi, F.M., *see* **Sivaraman, V.** 457
Ciardo, G., and **E. Smirni,** ETAQA: an efficient technique for the analysis of QBD-processes by aggregation 71

de Souza e Silva, E., H.R. Gail, L. Golubchik, and **J.C.S. Lui,** Analytical models for mixed workload multimedia storage servers 185
Dong, Y., Y.T. Hou, Z.-L. Zhang, and **T. Taniguchi,** A server-based non-intrusive measurement infrastructure for enterprise networks 233

Escalante, M., *see* **Jean-Marie, A.** 115

Franks, G., and **M. Woodside,** Effectiveness of early replies in client–server systems 165

Gail, H.R., *see* **de Souza e Silva, E.** 185
García, J., *see* **Vázquez-Cortizo, D.** 401
Gelenbe, E., P. Kammerman, and **T. Lam,** Performance considerations in totally mobile wireless 387
Gelenbe, E., *see* **Onvural, R.** vii
Gerla, M., *see* **Lo Cigno, R.** 289
Golubchik, L., *see* **de Souza e Silva, E.** 185
Hou, Y.T., *see* **Dong, Y.** 233

Jean-Marie, A., M. Tidball, M. Escalante, V. Leoni, and **H. Ponce de León,** On the influence of resequencing on the regularity of service 115
Jean-Marie, A., *see* **Ait-Hellal, O.** 485

Kammerman, P., *see* **Gelenbe, E.** 387
Kamoun, F., *see* **Saïdane, L.A.** 429
Kino, I., *see* **Kurasugi, T.** 55
Kroese, D.P., and **V.F. Nicola,** Efficient estimation of overflow probabilities in queues with breakdowns 471
Kurasugi, T., and **I. Kino,** Approximation methods for two-layer queueing models 55
Kurkova, I.A., *see* **Ait-Hellal, O.** 485

Lam, T., *see* **Gelenbe, E.** 387
Leoni, V., *see* **Jean-Marie, A.** 115
Levi, A., and **M.U. Çağlayan,** Analytical performance evaluation of nested certificates 213
Lindemann, C., and **A. Thümmler,** Transient analysis of deterministic and stochastic Petri nets with concurrent deterministic transitions 35
Lo Cigno, R., and **M. Gerla,** Modeling window based congestion control protocols with many flows 289
Lui, J.C.S., *see* **de Souza e Silva, E.** 185

McKinnon, M.W., H.G. Perros, and **G.N. Rouskas,** Performance analysis of broadcast WDM networks under IP traffic 333
Mitra, D., J.A. Morrison, and **K.G. Ramakrishnan,** Optimization and design of network routing using refined asymptotic approximations 267
Morrison, J.A., *see* **Mitra, D.** 267

Nicola, V.F., *see* **Kroese, D.P.** 471

Onvural, R., E. Gelenbe, and **Y. Viniotis,** Preface vii

Park, K., *see* **Tuan, T.** 359
Pekergin, N., Stochastic performance bounds by state space reduction 1
Perros, H.G., *see* **McKinnon, M.W.** 333
Ponce de León, H., *see* **Jean-Marie, A.** 115

Rácz, S., *see* **Telek, M.** 95
Ramakrishnan, K.G., *see* **Mitra, D.** 267
Rouskas, G.N., *see* **McKinnon, M.W.** 333

Saïdane, L.A., and **F. Kamoun,** Modelling and performance evaluation of the multi-tokens and the circulating multisequencer scheduling algorithms in a real-time distributed transactional system 429
Sereno, M., Mean value analysis of product form solution queueing networks with repetitive service blocking 19
Sharma, S., and **Y. Viniotis,** Convergence of a dynamic policy for buffer management in shared buffer ATM switches 249
Sivaraman, V., and **F.M. Chiussi,** Statistical analysis of delay bound violations at an earliest deadline first (EDF) scheduler 457
Smirni, E., *see* **Ciardo, G.** 71
Squillante, M.S., D.D. Yao, and **L. Zhang,** Analysis of job arrival patterns and parallel scheduling performance 137

Taniguchi, T., *see* **Dong, Y.** 233
Telek, M., and **S. Rácz,** Numerical analysis of large Markov reward models 95
Thümmler, A., *see* **Lindemann, C.** 35
Tidball, M., *see* **Jean-Marie, A.** 115
Tuan, T., and **K. Park,** Multiple time scale congestion control for self-similar network traffic 359

Van Houdt, B., *see* **Vázquez-Cortizo, D.** 401
Vázquez-Cortizo, D., J. García, C. Blondia, and **B. Van Houdt,** FIFO by sets ALOHA (FS-ALOHA): a collision resolution algorithm for the contention channel in wireless ATM systems 401
Viniotis, Y., *see* **Onvural, R.** vii
Viniotis, Y., *see* **Sharma, S.** 249

Woodside, M., *see* **Franks, G.** 165
Yao, D.D., *see* **Squillante, M.S.** 137

Zhang, L., *see* **Squillante, M.S.** 137
Zhang, Z.-L., *see* **Dong, Y.** 233

ELSEVIER

Performance Evaluation 36–37 (1999) 521–522

PERFORMANCE EVALUATION
An International Journal

www.elsevier.com/locate/peva

Subject Index

ATM, 267
ATM networks, 1
ATM shared buffer switches, 249

Buffer management, 249

Call handoff, 387
Cell loss, 249
Completion time, 95
Computational algorithms, 19
Computer network security, 213
Computer system modeling, 71
Congestion control, 359
Contention resolution, 401
Convergence of Markov chains, 249

Deadline, 429
Deadline miss probability, 429
Digital certificate, 213
Digital signature, 213
Discrete-time Markov chains, 1
Discrete-time queueing networks, 333
Disordering, 115
Distributed system, 429
Dynamic pushout algorithms, 249

Earliest deadline first, 457
EDF, 429
Effective bandwidth, 471
Embedded Markov chains, 185
Enterprise networks, 233
Extended queueing networks, 165

Flow-equivalent, 55
Fluid approximation, 307
Forward error correction, 485

General state space Markov chains, 35
Generalized semi-Markov processes, 35

Heavy-tail distributions, 137

Importance sampling, 471
Internet, 233
Internet performance, 307
IP packets, 333

Jitter, 115

Layered queueing networks, 165
Loss probabilities, 485

M/G/1, 429
M/M/1/K queue, 485
Many flows, 289
Markov chains, 71
Markov-modulated rate processes, 471
Markov reward models, 95
Matrix-geometric technique, 71
Mean value analysis algorithm, 19
Measurement infrastructure, 233
Mixed workload scheduling, 185
Mobile base stations, 387
Mobile users, 387
Mobility management, 387
MPLS, 267
Multi-dimensional generating functions, 485
Multimedia storage servers, 185

Network design, 267
Numerical solvers for Fredholm integral equations, 35

Optical networks, 333

Parallel and distributed systems, 137
Parallel scheduling, 137
Performability, 95
Performance and dependability models for high-speed networks, 35
Performance evaluation, 213
Power management, 387
Product form solution, 19
Public key infrastructure, 213

QBD processes, 401

Quality of service, 233, 457
Quasi-birth–death processes, 71
Queueing analysis, 137
Queueing model, 55
Queueing networks, 289
Queueing networks with blocking, 19
Queues with breakdowns, 471

Randomization, 95
Rare event simulation, 471
Rate-based feedback control, 359
Repetitive service blocking, 19
Resequencing, 115
Routing, 267

Sample-path stochastic ordering, 1
Scheduling, 457
Self-similar traffic, 359
Server waiting time, 115
Simultaneous resource possession, 55
Software performance, 165
Stationary ergodic arrival processes, 485
Statistical delay bounds, 457
Stochastic comparison, 1

TCP, 307
Traffic engineering, 267
Traffic measurement, 233
Traffic modeling, 137
Transmission sets, 401
Two-layer, 55
Two-phase service, 165

Uniform asymptotic approximations, 267
Uniformization, 185

Wavelength division multiplexing (WDM), 333
Window flow control, 307
Window protocols, 289
Wireless communications, 387